



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LM21/0114

PAUL LEMPEL KENYON & KENYON ONE BROADWAY NEW YORK NY 10004

21

APPLICATION NO.	FILING DATE	TOTAL CL	AIMS	EXAMINI	ER AND GROUP	ART UNIT	DATE MAILED
08/267,108	06/27/94	042	GROUTT,	ŀ.		2761	12/24/97
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TILE OF RETUAL REALITY GENERATOR FOR USE WITH FINANCIAL INFORMATION INVENTION

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3. 15076	705-035.	000 V78	UTILITY	YES \$6	60.00	03/24/90

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE, EXTENDED.</u>

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 If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LM21/1224

PAUL LEMPEL .
KENYON & KENYON
ONE BROADWAY
NEW YORK NY 10004

APPLIC	CATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT		DATE MAILED
	08/267,108	06/27/94	043	GROUTT, P	2761	12/24/97
First Named Applicant	MARSHALL,	,	PAU	L S.	- <u> </u>	

TITLE OF INVENTION

VIRTUAL REALITY GENERATOR FOR USE WITH FINANCIAL INFORMATION

ATTY'S D	OCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN	I. TYPE	SMALL	ENTITY	FEE DUE		DATE DUE
 3	15076	705	-035.000	V78	UTIL	ITY	YES	\$660.C	00	03/24/ 9 8

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u>

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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

APPLICATION NO. FILING DATE	FIRST NAMED INVENTOR	AT	TORNEY DOCKET NO.
08/267,108 06/27/94	MARSHALL.	P	15076
PAUL LEMPEL KENYON & KENYON	LM21/1224	GROUT	AMINER
ONE BROADWAY NEW YORK NY 10004		ART UNIT 2761	PAPER NUMBER
		DATE MAILED:	12/24/97

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

See attacheel

EMANUEL T. VOELTS
SUPERVISORY PATENT EXAMINER
GROUP 2400





Notice of Allowability

Application No. 08/267,108

Applicant(s)

Paul S. Marshall

Examiner

Groutt, Phillip

Group Art Unit 2761



herev	nims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included with (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be d in due course.
X Th	is communication is responsive to 9/19/97
X Th	e allowed claim(s) is/are <u>85-92, 94-127</u>
☐ Th	e drawings filed on are acceptable.
□ Ac	knowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
	All Some* None of the CERTIFIED copies of the priority documents have been
	☐ received.
	received in Application No. (Series Code/Serial Number)
	received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
	Certified copies not received:
□ Ac	cknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
THRE	ORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE EMONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in NDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).
☐ No	ote the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses at the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
ΧA	oplicant MUST submit NEW FORMAL DRAWINGS
	because the originally filed drawings were declared by applicant to be informal.
	including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No
	including changes required by the proposed drawing correction filed on, which has been approved by the examiner.
	including changes required by the attached Examiner's Amendment/Comment.
dr	entifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the awings. The drawings should be filed as a separate paper with a transmittal lettter addressed to the Official raftsperson.
□ N	ote the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.
COD	response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES E/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER DATE of the NOTICE OF ALLOWANCE should also be included.
Atta	chment(s)
	Notice of References Cited, PTO-892
	Information Disclosure Statement(s), PTO-1449, Paper No(s).
×	Notice of Draftsperson's Patent Drawing Review, PTO-948
	Notice of Informal Patent Application, PTO-152 EMANUEL TODD VOELSZ
	Interview Summary, PTO-413 SUPERVISORY PATENT EXAMINER
	Examiner's Amendment/Comment . GROUP 2700
	Examiner's Comment Regarding Requirement for Deposit of Biological Material
<u> </u>	(Examiner's Statement of Reasons for Allowance

Serial Number: 08/267,108

Art Unit: 2411

DETAILED ACTION

Allowable Subject Matter

- Claims 85-127 allowed. 1.
- The following is an examiner's statement of reasons for allowance: 2.

Independent claims 85, 104, 106, 118, 123, 124, and 125, all disclose a virtual reality generator to display pre-processed financial information as a virtual reality world. The prior art does admit many applications of virtual reality, and even suggestion of the use of virtual reality for viewing financial information, however, the specific embodiment being claimed in these independent claims is not taught or even suggested in the prior art of record. Specifically, the limitation that the user interface module includes a first input selecting a non-integer terrain parameter for each of a first axis of a three dimensional interface and a second axis of the three dimensional interface and a second input for selecting an axis display parameter for a third axis of the three dimensional interface, the , the user interface module selecting a portion of the preprocessed financial information as a function of the non-integer terrain parameters and the axis display parameter. There is no evidence in the prior art to affirm a rejection of this limitation and as such the final rejection is withdrawn.

The remaining dependent claims 86-103, 105, 107-117, 119-122, 126, and 127 are likewise allowed as depending from the independent claims as discussed above.

Serial Number: 08/267,108 ·

Art Unit: 2411

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip Groutt whose telephone number is (703) 306-2906. The examiner can normally be reached on Mondays to Fridays from 9:00 to 5:00.
- 4. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gail Hayes, can be reached on (703) 305-9711. The fax phone number for this Group is (703) 308-5357.
- 5. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

6.—Any inquiry concerning this communication or earlier communications from the examiner should be directed to whose telephone number is (703).

Phillip Groutt

December 11, 1997

SUPERVISORY PATENT EXAMINER